Fig.1

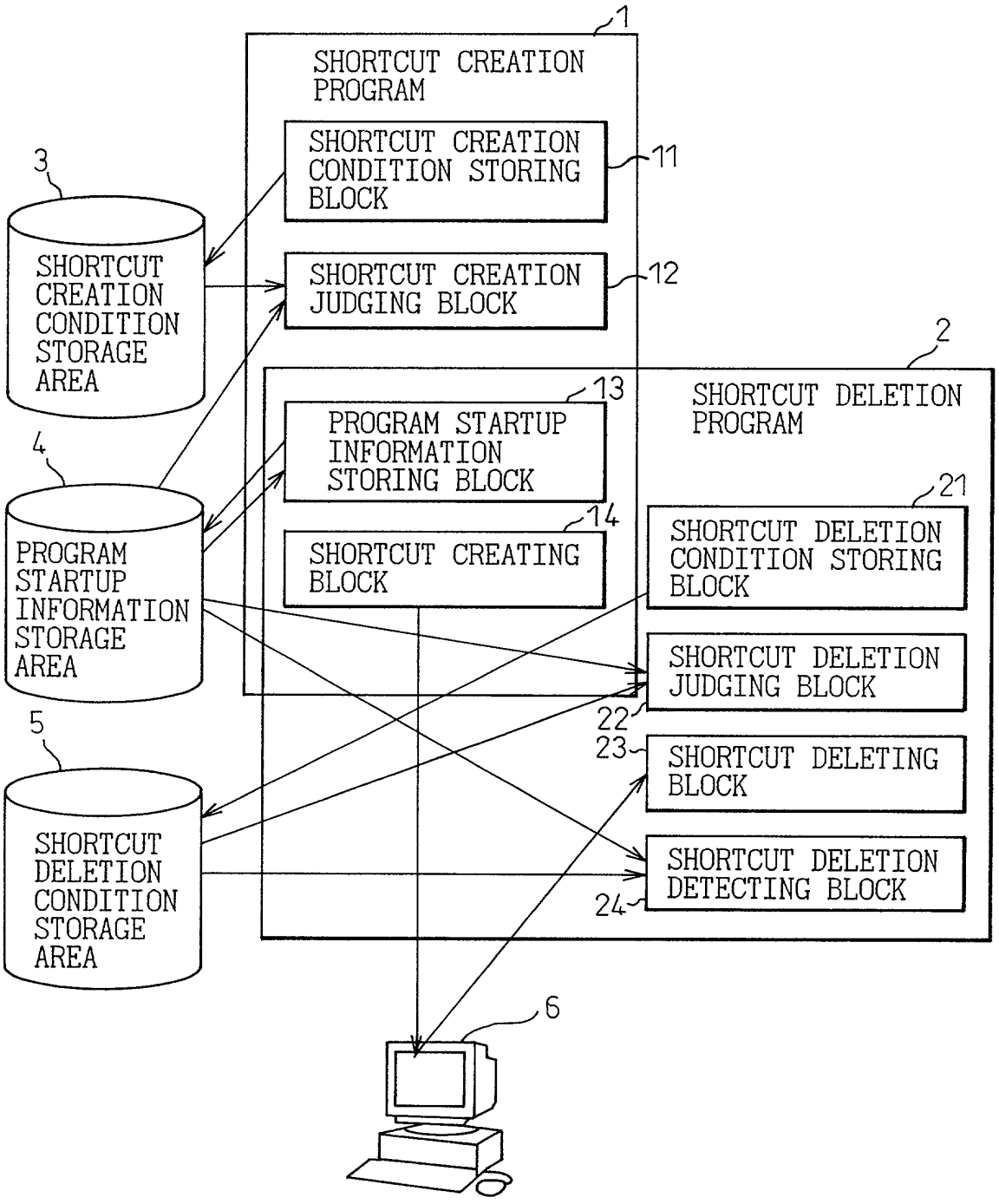

1
SHORTCUT CREATION PROGRAM
SHORTCUT CREATION CONDITION STORING BLOCK
11
SHORTCUT CREATION JUDGING BLOCK
12
2
SHORTCUT DELETION PROGRAM
13
PROGRAM STARTUP INFORMATION STORING BLOCK
14
SHORTCUT CREATING BLOCK
21
SHORTCUT DELETION CONDITION STORING BLOCK
SHORTCUT DELETION JUDGING BLOCK
22
23
SHORTCUT DELETING BLOCK
SHORTCUT DELETION DETECTING BLOCK
24
3
SHORTCUT CREATION CONDITION STORAGE AREA
4
PROGRAM STARTUP INFORMATION STORAGE AREA
5
SHORTCUT DELETION CONDITION STORAGE AREA
6

Fig.2

SHORTCUT CREATION CONDITION

NUMBER OF PROGRAM STARTUPS	10
(a)	(b)

Fig.3

SHORTCUT DELETION CONDITION

NON-EXECUTION PERIOD	2
(a)	(b)

Fig.4

PROGRAM STARTUP INFORMATION

FILE NAME OF STARTED PROGRAM	Abc
NUMBER OF PROGRAM STARTUPS	5
STORAGE LOCATION OF PROGRAM	C:¥Program¥Xyz¥Abc
LAST EXECUTION DATE	20010120
AUTOMATIC DELETION EXCEPTION FLAG	0
(a)	(b)

Fig.5

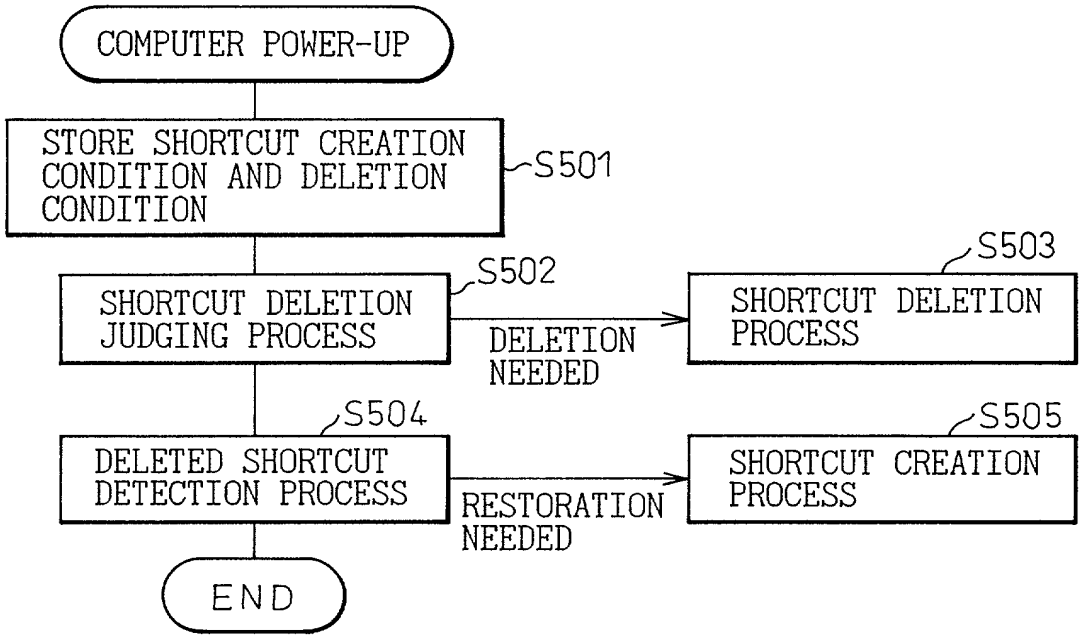

COMPUTER POWER-UP
STORE SHORTCUT CREATION CONDITION AND DELETION CONDITION
S501
SHORTCUT DELETION JUDGING PROCESS
S502
DELETION NEEDED
SHORTCUT DELETION PROCESS
S503
DELETED SHORTCUT DETECTION PROCESS
S504
RESTORATION NEEDED
SHORTCUT CREATION PROCESS
S505
END

Fig.6

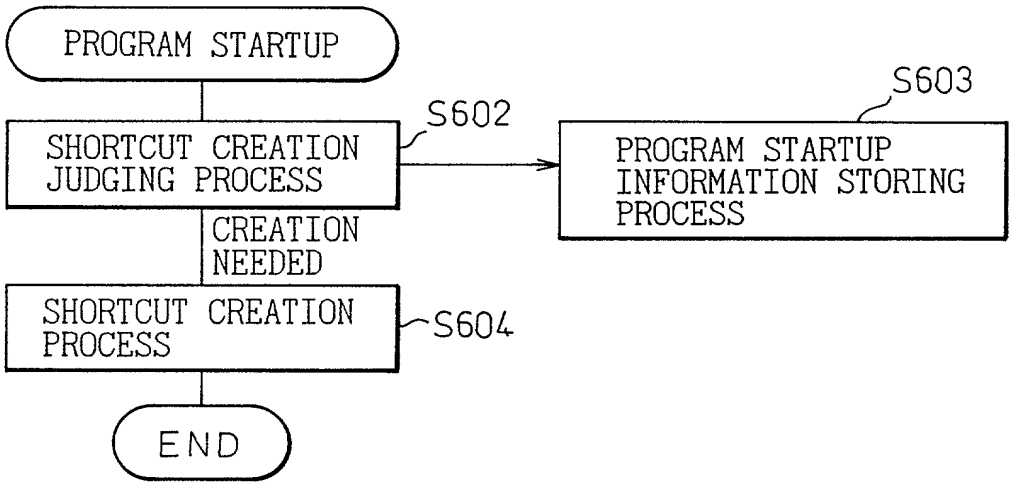

PROGRAM STARTUP
SHORTCUT CREATION JUDGING PROCESS
S602
CREATION NEEDED
PROGRAM STARTUP INFORMATION STORING PROCESS
S603
SHORTCUT CREATION PROCESS
S604
END

Fig.7

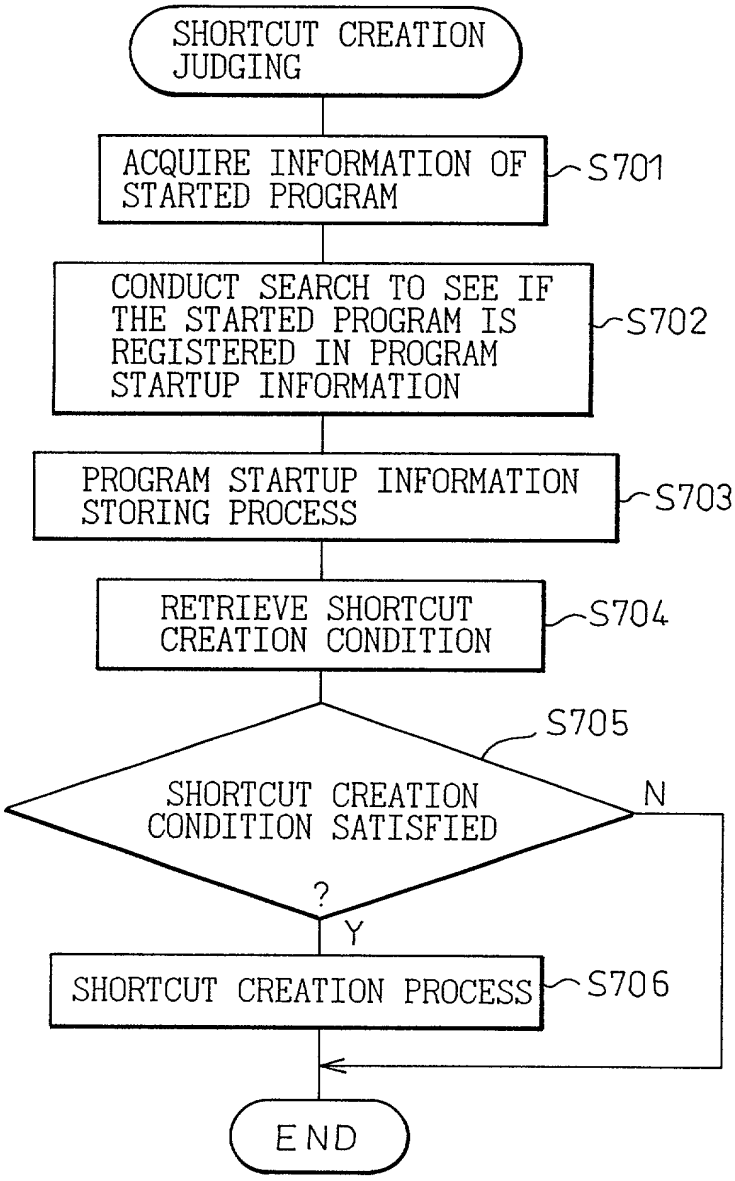

SHORTCUT CREATION JUDGING
ACQUIRE INFORMATION OF STARTED PROGRAM
S701
CONDUCT SEARCH TO SEE IF THE STARTED PROGRAM IS REGISTERED IN PROGRAM STARTUP INFORMATION
S702
PROGRAM STARTUP INFORMATION STORING PROCESS
S703
RETRIEVE SHORTCUT CREATION CONDITION
S704
S705
SHORTCUT CREATION CONDITION SATISFIED
?
N
Y
SHORTCUT CREATION PROCESS
S706
END

Fig.8

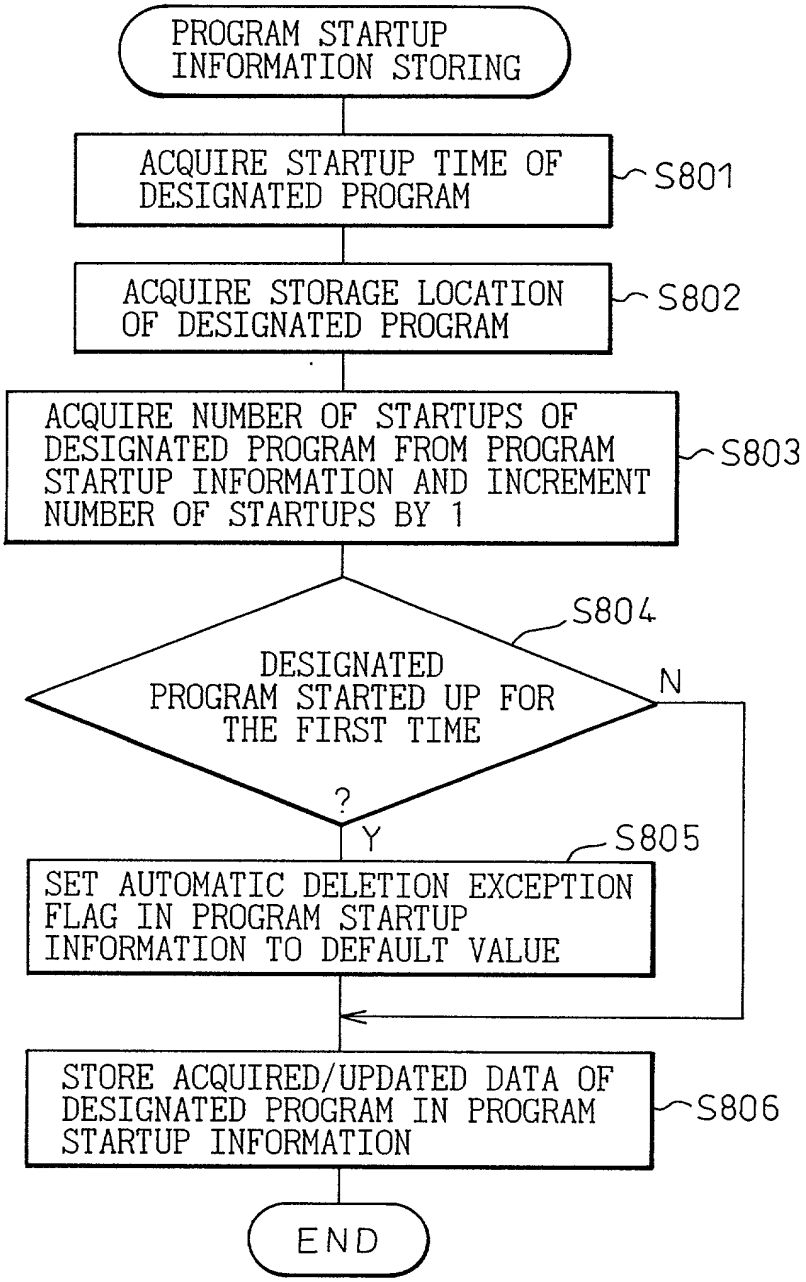

PROGRAM STARTUP INFORMATION STORING
ACQUIRE STARTUP TIME OF DESIGNATED PROGRAM
S801
ACQUIRE STORAGE LOCATION OF DESIGNATED PROGRAM
S802
ACQUIRE NUMBER OF STARTUPS OF DESIGNATED PROGRAM FROM PROGRAM STARTUP INFORMATION AND INCREMENT NUMBER OF STARTUPS BY 1
S803
S804
DESIGNATED PROGRAM STARTED UP FOR THE FIRST TIME
?
N
Y
S805
SET AUTOMATIC DELETION EXCEPTION FLAG IN PROGRAM STARTUP INFORMATION TO DEFAULT VALUE
STORE ACQUIRED/UPDATED DATA OF DESIGNATED PROGRAM IN PROGRAM STARTUP INFORMATION
S806
END

Fig.9

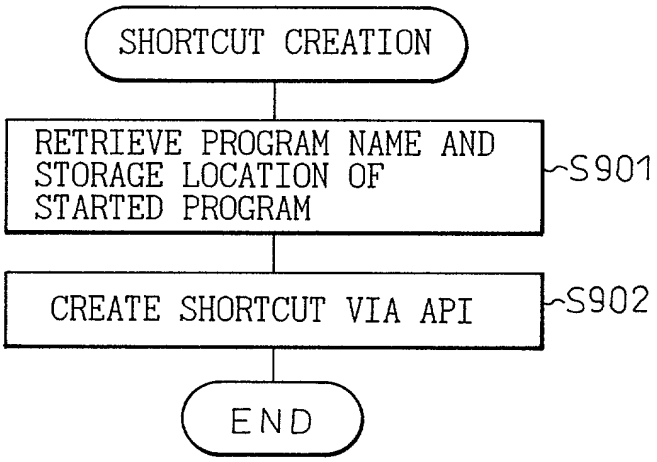

SHORTCUT CREATION
RETRIEVE PROGRAM NAME AND STORAGE LOCATION OF STARTED PROGRAM
S901
CREATE SHORTCUT VIA API
S902
END

Fig.10

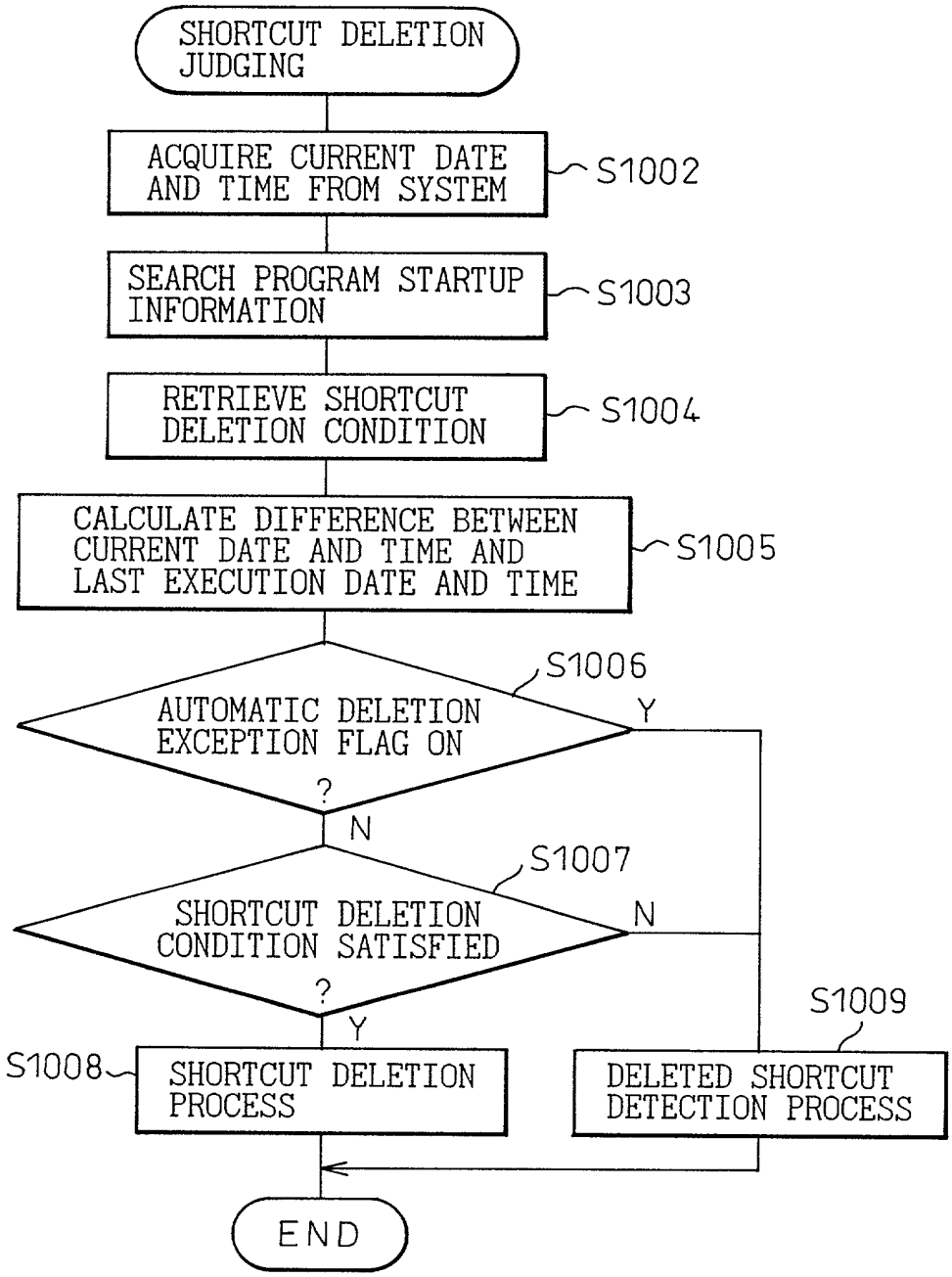

SHORTCUT DELETION JUDGING
ACQUIRE CURRENT DATE AND TIME FROM SYSTEM
S1002
SEARCH PROGRAM STARTUP INFORMATION
S1003
RETRIEVE SHORTCUT DELETION CONDITION
S1004
CALCULATE DIFFERENCE BETWEEN CURRENT DATE AND TIME AND LAST EXECUTION DATE AND TIME
S1005
S1006
AUTOMATIC DELETION EXCEPTION FLAG ON ?
Y
N
S1007
SHORTCUT DELETION CONDITION SATISFIED ?
N
Y
S1008
SHORTCUT DELETION PROCESS
S1009
DELETED SHORTCUT DETECTION PROCESS
END

Fig.11

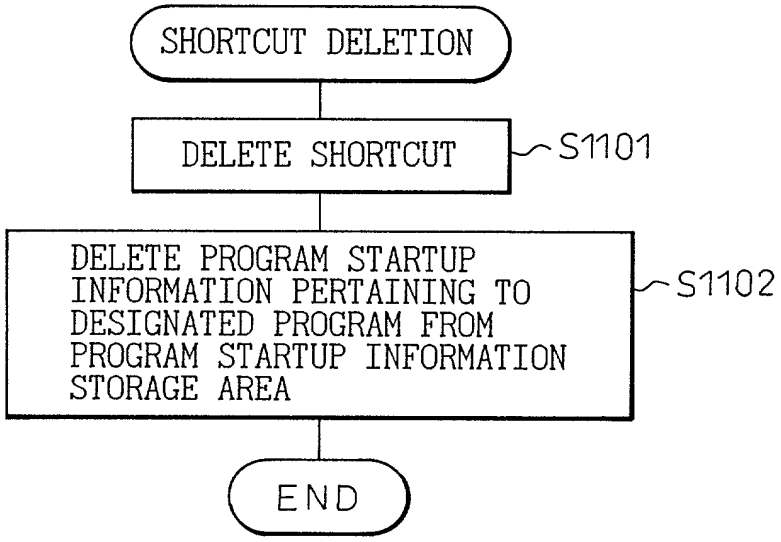

SHORTCUT DELETION
DELETE SHORTCUT
S1101
DELETE PROGRAM STARTUP INFORMATION PERTAINING TO DESIGNATED PROGRAM FROM PROGRAM STARTUP INFORMATION STORAGE AREA
S1102
END

Fig.12

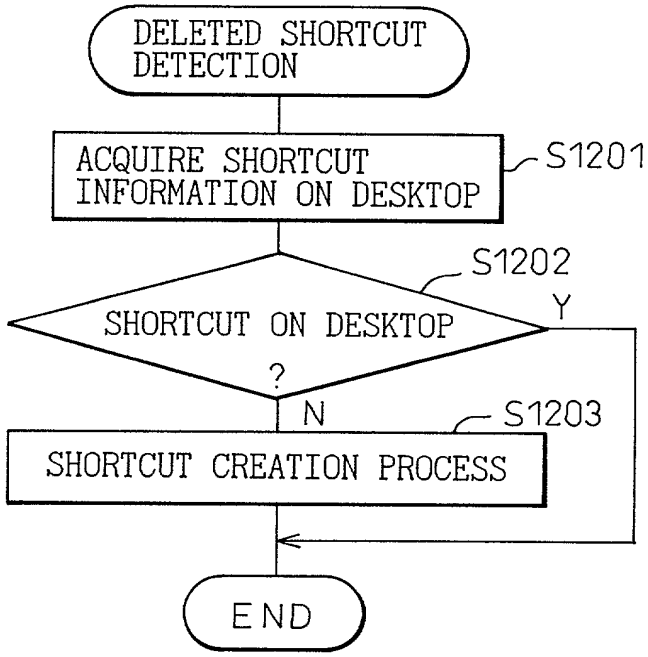
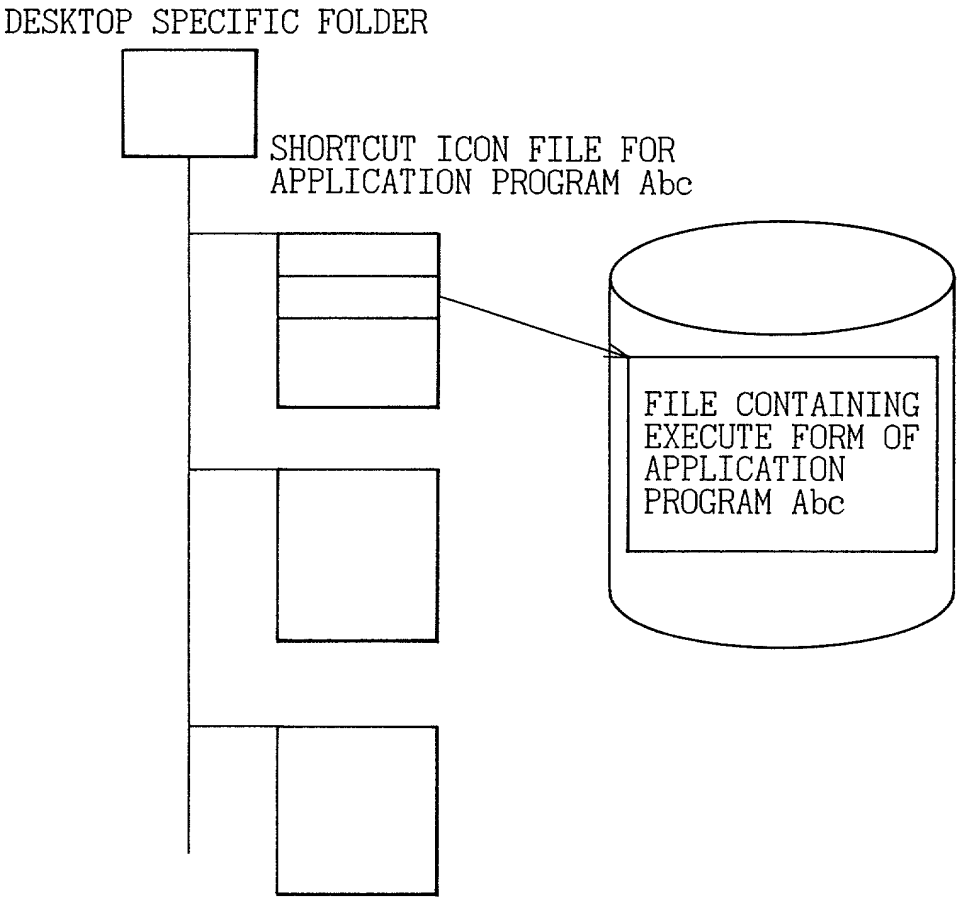

DELETED SHORTCUT DETECTION
ACQUIRE SHORTCUT INFORMATION ON DESKTOP
S1201
S1202
SHORTCUT ON DESKTOP ?
Y
N
S1203
SHORTCUT CREATION PROCESS
END

Fig.13


DESKTOP SPECIFIC FOLDER
SHORTCUT ICON FILE FOR APPLICATION PROGRAM Abc
FILE CONTAINING EXECUTE FORM OF APPLICATION PROGRAM Abc